CLAIMS

1. A heat exchanger of a ventilating system, comprising:

a plurality of heat exchanging plates which are laminated at a predetermined interval;

a first heat exchange member which is laminated among the heat exchanging plates and is formed in a mesh type to increase turbulence of the outdoor air which flows while being attached on a first air path through which outdoor air passes; and

a second heat exchange member which is laminated among the heat exchanging plates crossed with the first heat exchange member and is formed in a mesh type to increase turbulence of indoor air which flows while being attached on a second air path through which the indoor air passes.

2. The exchanger of claim 1, wherein the heat exchanging plate is formed with an aluminum plate or paper materials.

3. The exchanger of claim 1, wherein the first and second heat exchange members are positioned in a corrugated shape to secure the first and second air paths among the heat exchanging plates, and is formed with an aluminum material of the mesh type so that the outdoor and indoor air flowed to the first and second air paths can pass from the upper surface to the lower surface of the heat exchange members, or from the lower surface to the upper surface.

4. The exchanger of claim 3, wherein the first and second heat exchange members are positioned just a predetermined angle slanted from the direction that the air flows.

5. The exchanger of claim 4, wherein the first and second heat exchange members are positioned 30°~60° slanted from the direction that the air flows.

6. The exchanger of claim 1, wherein the first and second heat exchange members are positioned in a corrugated shape to secure the first and second air paths among the heat exchanging plates, and is formed in a plate type that a plurality of through holes are formed therein, so that the outdoor and indoor air flowed to the first and second air paths can pass from the upper surface to the lower surface of the heat exchange members, or from the lower surface to the upper surface.

7. The exchanger of claim 6, wherein the first and second heat exchange members are formed with aluminum or paper materials.

8. The exchanger of claim 6, wherein the first and second heat exchange members are formed with a porous resin film.

9. The exchanger of claim 6, wherein the first and second heat

exchange members are positioned just a predetermined angle slanted from the direction that the air flows.

10. The exchanger of claim 6, wherein the first and second heat exchange members are positioned 30°~60° slanted from the direction that the air flows.